

BHUSHAN PATIL**Contact:** 00966591899519**E-Mail:** bjpatil87@gmail.com

Dated: 08/06/2015

Dear Sir / Madam,

Please find the resume attached for the position of **Sales & Proposal Engineer**. I'm particularly interested in this Sales & Proposal Engineer, which relates strongly to my over 5 + years of experience in Design Engineering, Project Management, Procurement and Techno-commercial Operations.

As **Process Design & Proposal Engineer** with **American Engineering Services, Riyadh, Kingdom of Saudi Arabia**, I believe I meet all the essential criteria for the position. A summary of my experience and key accomplishments includes the following:

- Efficiently involved in basic & detail engineering of Pretreatment Plant, Filtration Plant, Ultra Filtration Plant, RO Plant, Softener Plant, Demineralization Plant, Effluent Treatment Plant, Desalination Plant, Waste Water Treatment & Sewage Treatment Plant
- Skilled in creation of process flow diagram, process & instrumentation diagram, hydraulic flow diagram, detailed process description, process calculation, flow balance calculation, mass balance calculation, pressure drop & NPSH calculation and pipe line sizing calculation etc.
- Prepare techno-commercial offer based on raw water analysis or sample/ client requirement or as per technical specification.
- Holds the distinction of making Mechanical Equipment List, Valve List, Piping Line List and Chemical Consumption List
- Analytical, meticulous and quality-oriented professional with an eye for detail
- Sales of Water/ Waste water treatment plants

I am now looking to take up roles in Design Engineering, Project Management, Procurement and Techno-commercial Operations in companies across Engineering, Procurement and Construction industries. Of particular interest to me would be positions in Design Engineering.

I am keen to join your firm due to its leading position in the industry, great organizational culture, spirit of innovation and professionalism that characterizes your firm and its employees. I am attracted to this role on account of the challenging process designs & innovative process technology that it offers.

I appreciate your efforts in taking the time to review my credentials and experience. Looking forward to a positive response.

Thanking you,

Sincerely,

BHUSHAN PATIL

Enclosure: Resume

BHUSHAN PATIL

E-mail: bjpatil87@gmail.com ~ Mobile No: 00966591899519 /00919579292391



DESIGN ENGINEERING

Effective leader with excellent motivational skills to sustain growth momentum while motivating peak individual performances

Location Preference: **UAE / Singapore / Oman / Qatar/ Gulf Countries**

Industry Preference: **EPC contractor (Water/Waste water / Environment/Power/Oil & Gas/ Petrochemicals/ Refinery etc.)**

PROFILE SUMMARY

Result-oriented Professional with over 5 years of experience in:

- ~ Process Design Engineering
- ~ Environment Engineering
- ~ Techno-commercial Operations
- ~ Wastewater/ Water Treatment
- ~ Project Management
- ~ Procurement Support

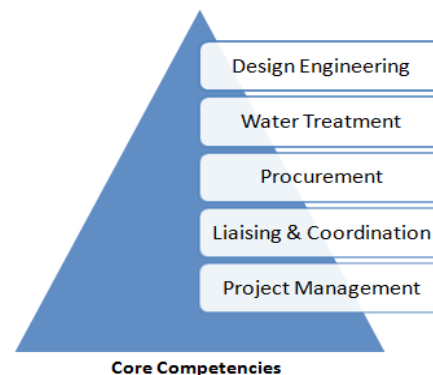
- Skilled in **managing finalization, negotiation, development & implementation of key procurement strategies/** contingency plans with vendors for materials/ products
- Skilled in **liaising with the** clients/consultants/vendors and accordingly handling procurement of all equipments for projects
- Proficient in **swiftly completing up projects** with competent cross-functional skills and ensuring on time deliverables within pre-set cost parameters
- Merit of working on **Water & Wastewater Treatment Plants**, possess sound knowledge on various kind of technologies, equipment and softwares used in the project
- Expertise in **preparing process-engineering drawings, mechanical drawings, layout drawings, detailing of equipments** after gathering product specifications
- An **effective communicator & negotiator** with strong analytical, problem solving and organizational skills

Soft Skills



CORE COMPETENCIES

- Analysing project requirements and reviewing all the project proposals wherein mapping requirements of manpower/ materials resources in which ensuring cost effective execution as per schedule
- Developing project baselines while monitoring and controlling projects with respect to cost, resource deployment, time over-runs and quality compliance to ensure its satisfactory execution
- Managing design engineering operations involving design & development, developing detailed drawings, coordinating with internal departments, process developments, interfacing with vendors, etc.
- Managing relationship with project stakeholders, keeping stakeholders informed of progress and issues in order to manage expectations on all project requirements and deliverables
- Collaborating with the channel partners, retailers to achieve the monthly targets & also lookout the corporate sales



WORK EXPERIENCE

American Engineering Services, Riyadh-Saudi Arabia as Process Design Engineer

Since Apr'13



Key Result Areas:

- Spearheading the creation of process flow diagram, process & instrumentation diagram, hydraulic flow diagram, detailed process description, etc.
- Undertaking planning and execution of various activities involved in Process & proposals
- Preparing process calculation, flow balance calculation, mass balance calculation, pressure drop & NPSH calculation, pipe line sizing calculation, chemical consumption calculation, vessels sizing calculation, vessel thickness calculation, etc.
- Designing of Pretreatment Plant, Filtration plant, Ultra filtration plant, RO Plant, Softener plant, Demineralization Plant, Effluent treatment plant, Desalination plant, Waste water treatment & Sewage treatment plant, Extended aeration plant, MBR plant, MMBR plant, Odor control plant based on Raw Water Analysis/report.

- Working on Technical Enquiry Datasheet, Review Vendor Offers, Review Vendor Documents for bought out items used in Water & Waste Water Treatment (Pumps, Positive Displacement Pumps, Blowers, Centrifugal Fan, Mixers, Lime Stone filter, Dosing Pumps, Auto & Manual Valves, UF Module, MBR Module, Moving Bed Media, Dissolved Air Flotation Unit (DAF), Corrugated Plate Inceptor (CPI), Tilted Plate Inceptor (TPI), Manual & Auto Bar Screen, Rotating Drum Screen, Belt Press, Centrifuge Decanter, Oil Skimmers, Cartridge Filters, RO Vessels, RO Membranes, FRP Tank, etc.)
- Conducting technical evaluation & finalization of mechanical bought out items used in Water & Waste Water Treatment Plant
- Organizing the Process & Mechanical Equipment datasheet/ technical submittals for client/consultant approvals
- Liaising with clients/consultants/vendors for technical discussions on the engineering documents

Highlights:

- Entrusted with the responsibility of making Mechanical Equipment list, Valve List, Piping Line List, Chemical Consumption List
- Involved in basic & detail engineering of Pretreatment Plant, Filtration Plant, Ultra Filtration Plant, RO Plant, Softener Plant, Demineralization Plant, Effluent Treatment Plant, Desalination Plant, Waste Water Treatment & Sewage Treatment Plant
- Received **Best Employee Month Award** for contribution in 2011
- Instrumental in implementing cost control measures to conclude projects on time and within budget.
- Initiated Ion exchange-Seminar training undertaken for Process Design Teams
- Merit of diving process design unique / innovative ideas for Design projects
- Faced existing MMBR tank capacity key challenges and implemented by providing high surface load mmbr media measures for overcome those

PREVIOUS WORK EXPERIENCE

Wipro Water, Navi Mumbai as Process & Proposal Engineer

Apr'10 to Apr'13



TECHNICAL SKILLS

- **Familiar with ASTM, ASME, API, PIP standards**
- **Water & Wastewater Treatment Plants:** High rate solid contact Clarifier, Filters, Softener, Demineralizers, Mixed Bed, Ultra Filtration, Reverse Osmosis and Continuous Electro-Deionization, Extended Aeration Treatment Plants, Membrane Bio-Reactor (MBR) Plants, Moving Media Bio-Reactor (MMBR) Plants, Sewage Treatment Plants, Odor Control System Plants
- **Water & Wastewater Treatment Plants Equipment:** Corrugated Plate Inceptor (CPI), Tilted Plate Inceptor (TPI), Belt Press, Centrifuge Decanter, Filter Press, etc.
- **New Water Treatment Technology:** MBR Technology, MMBR Technology, SBR Technology, Ion Exchange Process, Ultrafiltration & RO Membrane Technology
- Design, Process Calculations and Chemical Cleaning/Sanitization of Reverse Osmosis Membrane, Ultrafiltration Module, Membrane Bio-Reactor (MBR) and Electro-Deionization Plants
- **Software** related with water technology like ROSA, Argo Analyzer, Win flow, IMS Design, Win Caps, etc.
- ASTM, ASME, API, PIP

INDUSTRIAL PROJECT

- Installation of Reduce Roller And Flapper Chute Mechanism To Increase Productivity

ACADEMIC DETAILS

2011 **AMIE - Mechanical Engineering** from Institution of Engineers (India)

2010 **B.E. (Industrial Engineering)** from Pune University, Vishwakarma Institute of Technology, Pune

2006 **Diploma in Mechanical Engineering** from M.S.B.T.E. Mumbai, Government Polytechnic, Jalgaon



PERSONAL DETAILS

Date of Birth: 1st September, 1987

Permanent Address: J.G.Patil, Plot No:-20/3, Nivrutti Nagar, Near Asaram Babu Ashram, Jalgaon - 425001

Present Address: Flat No. 6, Building No. 13, Al Samani Street, District: Al Malaz, P.O.Box-105689, Riyadh-11656, Kingdom of Saudi Arabia

Languages Known: English, Hindi and Marathi

REFER TO ANNEXURE FOR PROJECT DETAILS

ANNEXURE

PROJECTS UNDERTAKEN

At American Engineering Services

Title : Seawater Reverse Osmosis Plant
Client : M/s. King Abdullah University Of Science And Technology (Research Park Utility Plants) Thuwal Saudi Arabia
Consultant : M/s. ARAMCO
Capacity : 12000 m3/day
Stream : Flash Mixer cum Flocculation Tank -Horizontal Media Filter-Basket Strainer-Ultrafiltration-Cartridge filter-First Stage RO-Second Stage RO



Title : Sewage Water Treatment
Client : M/s. S.K Engineering & Construction
Consultant : M/s. ARAMCO
Capacity : 135 m3/day
Stream : Bar screen -Comminutor-Aeration tank-Settlement tank-Sludge holding tank

Title : Main Outfall Drain (Mod) Intake and Facilities -West Qurna-I (Iraq)
Client : M/s. Saipem
Consultant : Ms.Fluor
Capacity : 300 kbpd (nominal 2000 m3/h) (Three (3) modules, each 100 kbpd)
Stream : Flash Mixer cum Flocculation Tank-Lamella Clarifier-Clarifier Storage Tank Horizontal Media Filter-Cartridge filter

Title : Sea Water Desalination Plant for Jeddah South Thermal Power Plant Stage-1
Client : M/s. Saudi Electricity Company
Consultant : M/s. Fichtner
Capacity : 3600 m3/day
Stream : Horizontal Media Filter-Basket Strainer-Ultrafiltration-First Stage RO-Second Stage RO

Title : Water Treatment Plant
Client : M/s. Saudi Electricity Company
Consultant : M/s. Parsons Brinckerhoff
Capacity : 300 m3/day
Stream : Multi Media Filter-Activated Carbon Filter-Ultrafiltration- Mixed Bed

Title : Sewage Treatment Plant for Al-Haramain High Speed Railway Station
Client : M/s. ANEL KSA
Capacity : 216 m3/day
Stream : Manual Bar Screen-Raw water Tank-Automatic Fine Bar Screen-Anoxic Tank-Aeration Tank-MBR Tank with Membrane Bio-Reactor-Chlorine contact Tank-UV Sterilizer- Sludge Holding Tank

Title : Sewage treatment plant for saih rawl project in Oman
Client : M/s. Petroleum Development Oman
Capacity : 65 m3/day
Stream : Automatic Bar Screen-Anoxic Tank-Aeration Tank-MBR Tank with Membrane Bio Reactor-UV Sterilizer- Chlorine Contact tank-Sludge Holding Tank -Belt Press

Title : Wastewater Treatment Plant for Oriental Food Industries Ltd.-Logos, Nigeria
Client : National Food Industries
Capacity : 600 m3/day
Stream : Automatic Bar Screen-Equalization Tank-Corrugated plate
Inceptor (CPI)-Coagulation & Flocculation Tank –Dissolved Air Flotation (DAF) -MMBR Tank -1-MMBR Tank
-2-Clarifier- Multi Media filter

Title : Sewage Treatment Plant & Pipelines
Client : Ministry of Housing –Buraydah
Consultant : Saudi Consulting Services
Capacity : 2 X 800 m3/day
Stream : Manual Bar Screen-Oil & Grease removal System-Equalization Tank-Rotary Drum Screen-Anoxic Tank -
Aeration Tank -MBR Tank with Membrane Bio Reactor-Sludge holding Tank -Centrifuge Decanter

Title : Sewage Treatment Plant & Pipelines
Client : Ministry of housing –Al Badaye
Consultant : Saudi Consulting Services
Capacity : 2 X 190 m3/day
Stream : Manual Bar Screen-Oil & Grease removal system-
Equalization Tank-Rotary Drum Screen-Anoxic Tank -Aeration Tank-MBR tank with Membrane Bio-
Reactor-Sludge holding Tank-Centrifuge Decanter

Title : Sewage treatment plant & pipelines
Client : Ministry of housing –Al Shamasayah
Consultant : Saudi Consulting Services
Capacity : 2 X 70 m3/day.
Stream : Manual Bar Screen-Oil & Grease removal system-Equalization Tank-Rotary Drum Screen-Anoxic Tank-
Aeration Tank-MBR Tank with Membrane Bio-Reactor-Sludge holding Tank-Centrifuge Decanter

At Wipro Water

Title : Water Treatment Plant
Client : M/s. Renuka Sugar Pvt.
Consultant : M/s. Avant Garde Engineers & Consultant Ltd.
Capacity : 1200 m3/day
Stream : HRSCC-Multi Media Filter-Ultrafiltration-Reverse Osmosis-DGT-DG Water Storage Tank-SAC-SBA-MB

Title : Water Treatment Plant
Client : M/s. Monnet Ispat & Energy Pvt. Ltd.
Consultant : M/s. Desein consulting Engineers Ltd.
Capacity : 960 m3/day
Stream : HRSCC-Dual Media Filter-Activated Carbon Filter-SAC-DGT- DG Water Storage Tank WBA-SBA-MB - DM
Water Storage Tank

Title : Water treatment plant
Client : M/s. Greensol Pvt. Ltd.
Consultant : M/s. Avant Garde Engineers & Consultant Ltd.
Capacity : 1200 m3/day
Stream : HRSCC-Multi Media Filter-Ultrafiltration-Reverse Osmosis

Title : Desalination & Water Treatment Plant
Client : M/s. NLC Tamilnadu Power Ltd. National Thermal Power Limited India
Consultant : Ms. Mecon Limited
Capacity : 3000 m3/day
Stream : Mixed Bed

Title	: Water Treatment Plant
Client	: M/s. BASF India Limited
Consultant	: Ms.Fluor Daniel India Pvt. Ltd.
Capacity	: 1320 m3/day
Stream	: HRSCC-Multi Media Filter-Ultrafiltration-Reverse Osmosis- DGT- DG Water Storage Tank -MB